

Work Order ID 65470

January 18, 2011 10:30:37 AM



Page 1

Item ID: D3482-7

Accept



Setup Start



Revision ID:

Stop



Item Name: Insulation Hose, 36"

Start Date: 1/18/11

Start Qty: 5.00 ⁸



Cust Item ID:

Required Date: 1/25/11

Req'd Qty: 5.00

Customer:

Reference:

Approvals:

Process Plan: CL

Date: 11/01/18

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D3482

Rev B

100

0.00



PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: 13312 ☐ Fabricate as per Dwg D3482 ☐ Possible
Supplier: Tempro Tec Inc ☐ Material release note is required

CL 11/01/18 8

110

Receive & Inspect for Damage & Mat'l Certs

0.00



Packaging

Memo

0.00

Packaging

Ensure material certification is attached

11/02/11 8

120

QC6- Inspect dimensions to drawing

0.00



QC

Memo

0.00

Quality Control

Sutorloy

8

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 65470

January 18, 2011 10:30:37 AM



Page 2

Item ID: D3482-7

Accept



Setup Start



Revision ID:

Stop



Item Name: Insulation Hose, 36"

Start Date: 1/18/11 Start Qty: 5.00



Cust Item ID:

Required Date: 1/25/11 Req'd Qty: 5.00



Customer:

Reference:

Run Start



Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Stop



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

Identify as per dwg & Stock Location: 161

0.00



Packaging

Memo

0.00

Packaging

161/4 (S)

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11-02-04

MF

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

January 18, 2011 10:30:36 AM

Page 1

Work Order ID: 65470



Parent Item: D3482-7



Parent Item Name: Insulation Hose, 36"


Start Date: 1/18/11

Required Date: 1/25/11

Start Qty: 5.00

Required Qty: 5.00

Comments: IPP Rev:A New Issue 06-04-21 JLM
IPP Rev:B As per Rev B 06-05-24 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3482-7P  HOSE INSULATION		Purchased	No			100	Each	0.0000	1	5			



Copy/22/01 (8)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

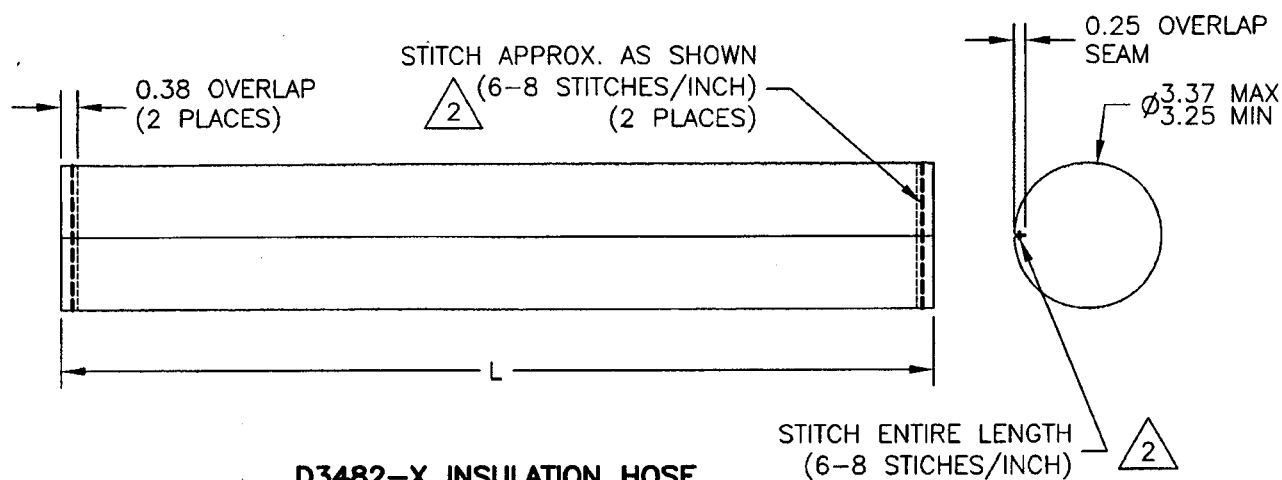
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART

DESIGN <i>[Signature]</i>	DRAWN BY <i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3482	REV. B SHEET 3 OF 3
DATE 06.05.16		TITLE INSULATION SOCKS & HOSES	SCALE 1:4

RELEASED
06.05.16**D3482-X INSULATION HOSE**

P/N D3482-X	L (in)
D3482-5	20
D3482-7	36
D3482-9	48
D3482-11	30
D3482-13	52



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 65470

*CD110118***NOTES:**

- 1) MATERIAL: BEIGE TECGLASS GL 2025/9383 PER MIL-C-20079H
TYPE I, CLASS 9 (WITH 9383 FINISH)
POSSIBLE SUPPLIER: TEMPRO TEC INC.
- 2) THREAD: E-12 FIBERGLASS-TFE THREAD PER MIL-C-20079H(SH)
TYPE III, CLASS 3 OR ASTM D 4040-89
POSSIBLE SUPPLIER: TEMPRO TEC INC.
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES 0.005 TO 0.010 MAX

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PO REPRINT

Purchase Order ID PO13312

Purchase Order Date 1/18/11

PO Print Date 1/19/11

Page Number 1 of 1

Order From :

VC-TEM002

TEMPO TEC
7210C- 5TH STREET S.E.
CALGARY, AB T2H 2L9
CA

REVISED

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	403 216 3300	Requisition Nbr	
Vendor Fax	403 216 3306	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	CAD
		FOB	Destination-Collect

Ship To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	D3482-1P	INLET INSULATION SOCK	1/26/11 Yes	8.00 Each	FedEx PI collect	\$47.0800	\$376.64
		Special Inst:	AS PER DWG D3482 REV. B B65469				
2	D3482-7P	HOSE INSULATION	1/26/11 Yes	8.00 Each	FedEx PI collect	\$35.3600	\$282.88
		Special Inst:	DWG AS ABOVE B65470				
PO Total:							\$659.52

CERTIFICATE OF CONFORMITY
REQD UPON DELIVERY

Change Nbr: 2

Change Date: 1/19/11

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

EMPRO TEC Inc.

PACKING SLIP

ORDER NUMBER: 0040858

ORDER DATE: 1/18/2011

SALESPERSON: TT

ORDER DESK: SL

EMPRO TEC INC.
100 - 5 Street S.E.
Calgary, Alberta
T2L9

Toll: 800-565-3907
Fax: 403-216-3306
Phone: 403-216-3300

OLD TO:

DAR100

DART AEROSPACE
1270 ABERDEEN STREET
HAWKSBURY, ON K6A 1K7

SHIP TO:

DART AEROSPACE
1270 ABERDEEN STREET
HAWKSBURY, ON K6A 1K7

Confirm To: SUE BEDFORD

Telephone: (613) 632-9577

Fax: (613) 632-1053

WAREHOUSE: 000

CUSTOMER P.O.

SHIP VIA

FRT CHGS

F.O.B.

DATE SHIPPED

TERMS

NO TERMS

FED EX - 15179324-00

COLLECT

ORDERED

UNIT

SHIPPED

BACKORDER

LOT #

ITEM NO.

DESCRIPTION

90INSULSK2

NS FG Insul Sock # D34821P

1.00

SET

1

0.00

90INSULSK2

NS FG Insul Sock # D34827P

1.00

SET

1

0.00

11:01:26AM

Waybill #

Packed By



Certificate of Compliance

Auburn Manufacturing Inc.
High Temperature Textiles

P.O. Box 220, Mechanic Falls, ME 04256 U.S.A.
tel: 207-345-8271 / fax: 207-345-3380
website: www.auburnmfg.com

Shipping Date: 12/17/10

Purchase Order #: 0009119

AMI Cust #: 2571

Part #: GL2025-60NS-9383-TT

AMI Order #: 128411

Quantity: 750.00 Yards

AMI Item #: 50-1061-TT

Batch/Lot #: 128411/50-1061-TT

Cust Part #:

This is to certify that the products listed above have been shipped to:

Tempo Tec Inc

against the referenced purchase order number, and are in full compliance with all applicable specifications listed below. Records of all inspections and tests performed (if required as part of contract acceptance) will be available for review.

Number 1: Meets AMI GL2025-9383 Specifications

Number 2: Heat Cleaned

Subsided

Number 3:

Number 4:

Number 5:

Number 6:

Number 7:

Number 8:

Number 9: MADE IN USA

Shelf Life: N/A

Date of Mfg: N/A

Expiration Date: N/A

Authorized Signature

Quality Assistant

Title



Report To: _____

INSPECTION SHEET FOR
TEFLON PTFE COATED GLASS

CODE NO:	<u>11002 BC18 GLASS LUBED</u>	INSPECTION DATE:	<u>11/15/2010</u>
LOT NO:	<u>319 AJA</u>	OVEN NO:	<u>1</u>
YARN SIZE:	<u>GRBC6</u>	DATE OF RUN:	<u>11/15/2010</u>
CUSTOMER PO NO:	_____	COLOR:	<u>Natural</u>
RAW MATERIAL ORDER NO	<u>6478</u>		

BURN OFF TEST: LUBRICANT

	<u>SAMPLE NO.</u>	<u>WEIGHT BEFORE</u>	<u>WEIGHT AFTER</u>	<u>LOSS</u>	<u>% LUBRICANT</u>
Our PTFE coated Fiberglass Size 18 meets the following specs:	1	<u>1.770</u>	<u>1.610</u>	<u>0.160</u>	<u>9.0</u>
	2	<u>1.657</u>	<u>1.521</u>	<u>0.136</u>	<u>8.2</u>
Meets ASTM D4030-89 and strength and PTFE requirements of <u>MIL-C-20079H</u> <u>Type 111 Class 3</u>	3	<u>1.061</u>	<u>0.962</u>	<u>0.099</u>	<u>9.3</u>
	4	<u>1.112</u>	<u>1.014</u>	<u>0.098</u>	<u>8.8</u>
	5	<u>1.088</u>	<u>0.990</u>	<u>0.098</u>	<u>9.0</u>
	AVG	<u>1.338</u>	<u>1.219</u>	<u>0.118</u>	<u>8.9</u>

Sublot

BURN OFF TEST: PTFE

	<u>SAMPLE NO.</u>	<u>WEIGHT BEFORE</u>	<u>WEIGHT AFTER</u>	<u>LOSS</u>	<u>% PTFE</u>
	1	<u>1.521</u>	<u>1.288</u>	<u>0.233</u>	<u>15.3</u>
	2	<u>0.962</u>	<u>0.808</u>	<u>0.154</u>	<u>16.0</u>
	3	<u>1.014</u>	<u>0.841</u>	<u>0.173</u>	<u>17.1</u>
	4	<u>0.990</u>	<u>0.824</u>	<u>0.166</u>	<u>16.8</u>
	5	<u>0.986</u>	<u>0.825</u>	<u>0.161</u>	<u>16.3</u>
	AVG	<u>1.095</u>	<u>0.917</u>	<u>0.177</u>	<u>16.3</u>

POUNDS TENSILE:

1 29.5 2 28.4 3 26.8 4 27.7 5 27.6 AVG 28.0

We certify that the above tests were performed in accordance with the specification test requirements and that the reported tests are true, valid and applicable to the samples tested. Fiberglass conforms to mercury free requirements. We further certify that the tested material conforms to the minimum P.T.F.E. requirement of 14.5 %.

DATE: _____ INSPECTOR: _____ David Sines SIGNED:

Material Safety Data Sheet

AMI-GLAS® AGL, AGLTW, ACGL and ACTGL SERIES1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Names/Synonyms	AMI-GLAS® - aluminized/Woven fiber glass with aluminum alloy on one side, in various forms - tapes, blankets, etc .
cloth,	
Product Identification	AGL, AGLTW, ACGL and ACTGL series.
Chemical Name/Synonyms	Continuous filament fiber glass with 1235 aluminum alloy foil/fibrous glass, glass fibers with aluminum foil.
Manufacturer's Name	Auburn Manufacturing, Inc P. O. Box 220 Mechanic Falls, ME 04256 207/345-8271
Date prepared	September 30, 1993
Reviewed for content & accuracy	April 3, 2006
Reviewed for content & accuracy	March 30, 2009

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>Weight %</u>	<u>OSHA-PEL</u>	<u>ACGIH-TLV</u>	<u>OTHER</u>
Fiberglass, continuous filament	≥ 80.0 to 90.0	a.	10 mg/m ³ . 8-hr TWA	3 x 10 ⁶ fibers/m ³ 10-hr TWA (NIOSH)
<u>Nonhazardous Ingredients</u>				
Aluminum foil 1235 alloy	5.0 to 15.0	15 mg/m ³ dust	10 mg/m ³ dust 5 mg/m ³ fume	
Adhesive	approx. 1.5	-----not known-----		
Sizing	≤ 3.5	-----none established-----		

a. OSHA has not established a specific PEL for fibrous glass. It is considered to be a "particulate not otherwise regulated" (PNOR) and is covered under the OSHA nuisance dust PEL's of 5 mg/m³ for the respirable dust fraction and 15 mg/m³ for the total dust fraction for an 8-hr TWA (Time Weighted Average).

Material Safety Data Sheet

AMI-GLAS® AGL, AGLTW, ACGL and ACTGL SERIES

3. HAZARDS IDENTIFICATION

PRIMARY ROUTES OF EXPOSURE: Inhalation and skin contact.

HEALTH HAZARDS (Including acute and chronic effects and symptoms of overexposure):

<u>ACUTE:</u>	<u>Inhalation:</u>	Inhalation of dusts and fibers may result in irritation of the upper respiratory tract (mouth, nose and throat).
	<u>Skin Contact:</u>	Skin contact with dusts and fibers may produce itching and temporary mechanical irritation.
	<u>Eye Contact:</u>	Eye contact with fibers and dusts may produce temporary mechanical irritation.
	<u>Ingestion:</u>	Temporary mechanical irritation of the digestive tract. Observe individual. If symptoms develop, consult a physician.

CHRONIC: See carcinogenicity section below. There are no known health effects associated with chronic exposure to this product.

CARCINOGENICITY:

Hazardous Ingredients: Listed as carcinogen by: ACGIH IARC NTP OSHA

Fiberglass continuous filament No No* No No

*IARC: In June, 1987 the International Agency for Research on Cancer (IARC) categorized fiberglass continuous filaments as not classifiable with respect to human carcinogenicity (Group 3). The evidence from human as well as animal studies was evaluated by IARC as insufficient to classify fiberglass continuous filaments as a possible, probable, or confirmed cancer causing material.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Persons with a history of chronic respiratory or skin conditions that are aggravated by mechanical irritants may be at increased risk for worsening their condition from exposure during use of fiberglass products. For aluminum foil, pre-existing upper respiratory and lung diseases such as, but not limited to, Bronchitis, Emphysema and Asthma.

Material Safety Data Sheet

AMI-GLAS® AGL, AGLTW, ACGL and ACTGL SERIES

4. FIRST AID MEASURES

- Inhalation: Move individual to fresh air. Seek medical attention if irritation persists.
- Skin Contact: Wash with mild soap and running water. Use a washcloth to help remove fibers. To avoid further irritation do not rub or scratch irritated areas. Rubbing or scratching may force fibers into the skin. Seek medical attention if irritation persists.
- Eye Contact: Flush eyes with flowing water for at least 15 minutes. Seek medical attention if irritation persists.
- Ingestion: N. A. (Not Applicable)

5. FIRE FIGHTING MEASURES

- Flash Point (°F): NA (Not Applicable)
- Auto Ignition Temperature (°F): NA
- Flammability Limits (%): LEL: NA UEL: NA
- Extinguishing Media: Water, foam, carbon dioxide, dry chemical
- Special Fire-Fighting Instructions: In a sustained fire, self contained breathing apparatus should be worn.
- Unusual Fire and Explosion Hazards: None known.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR SPILLS (Use Appropriate Safety Equipment): For solid product, not applicable. For dusts and fibers generated during fabrication vacuum up and containerize.

7. HANDLING, STORAGE AND DISPOSAL

- HANDLING: See Section 8.
- STORAGE: No special precautions necessary.
- DISPOSAL: Dispose in accordance with federal, state and local regulations as a solid nonhazardous waste.

Material Safety Data Sheet

AMI-GLAS® AGL, AGLTW, AGL and ACTGL SERIES

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: General dilution ventilation and/or local exhaust ventilation should be provided, as necessary, to maintain exposures below PEL's or TLV's. **Adequate ventilation must be provided at elevated temperatures.**

RESPIRATORY PROTECTION: A properly fitted NIOSH/MHSA approved disposable dust respirator such as the 3M model 8210 or model 9900 (in high humidity environments) or equivalent should be used when: high dust levels are encountered; the level of glass fibers in the air exceeds the OSHA permissible exposure limits; or if irritation occurs. Use respiratory protection in accordance with your company's respiratory protection program and OSHA regulations under 29 CFR 1910.134.

EYE PROTECTION: Safety glasses, goggles or face shields should be worn whenever fiberglass materials are being handled.

PROTECTIVE CLOTHING: Wear loose fitting, long sleeved shirt that covers to the base of the neck, and long pants. Skin irritation from exposure to fiberglass is known to occur chiefly at pressure points such as around the neck, wrist and waist. Wear gloves when handling product.

WORK/HYGIENIC PRACTICES: Handle in accordance with good industrial hygiene and safety practices:

- = Avoid unnecessary exposure to dusts and fibers
- = Remove fibers from skin after exposure
- = Be careful not to rub or scratch irritated areas. Rubbing or scratching may force the fibers into the skin. The fibers should be washed off. Use of barrier creams can, in some instances, be helpful.
- = Use vacuum equipment to remove fibers and dusts from clothing. **COMPRESSED AIR SHOULD NEVER BE USED.** Always wash work clothes separately and wipe out the washer/sink in order to prevent loose glass fibers from getting on other clothes.
- = Keep the work area clean of any dusts and fibers generated during fabrication. Use vacuum equipment to clean up dusts and fibers. Avoid sweeping or using compressed air as these techniques resuspend dusts and fibers into the air.
- = Have access to safety showers and eye wash fountains.
- = For professional use only. **Keep out of children's reach.**

Material Safety Data Sheet

AMI-GLAS® AGL, AGLTW, ACGL and ACTGL SERIES

9. PHYSICAL AND CHEMICAL PROPERTIES

MELTING POINT (Softening): N.M. (Not Measured)

BOILING POINT (°C): NA (Not Applicable)

SPECIFIC GRAVITY (Bare Glass): N.M.

PERCENT VOLATILE: NA

VAPOR PRESSURE (mm Hg): NA

VAPOR DENSITY (Air = 1): NA

EVAPORATIVE RATE (Ethyl Ether = 1): NA

SOLUBILITY IN WATER: Not soluble

APPEARANCE AND ODOR: White/off-white/tan colored solid on one side/aluminum foil color on the other side with no odor.

pH: NA

10. STABILITY AND REACTIVITY

STABILITY (Conditions to Avoid): Product is stable.

INCOMPATIBILITY (Materials to Avoid): None known.

HAZARDOUS DECOMPOSITION PRODUCTS:

Sizings, adhesive or binders may decompose in a fire. Primary decomposition products include carbon monoxide, carbon dioxide, other hydrocarbons and water.

HAZARDOUS POLYMERIZATION: Will not occur.

To the best of our knowledge, the information contained herein is accurate. The information provided is based upon data furnished by our suppliers. However, neither Auburn Manufacturing, Inc. nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. While believed to be reliable, the information or products are intended for use by skilled persons at their own risk. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

FAX JOURNAL REPORT

TIME : 02/02/2011 13:00
 NAME :
 FAX :
 TEL :
 SER.# : F9N212739

NO.	DATE	TIME	FAX NO./NAME	DURATION	PAGE(S)	RESULT	COMMENT
#010	02/02	08:35	16042741013	18	01	OK	TX ECM
#011	02/02	08:37	13309959600	26	01	OK	TX
#012	02/02	08:39	15146338044	19	01	OK	TX ECM
#013	02/02	08:40	13066836403	19	01	OK	TX ECM
#014	02/02	10:16	15146338044	19	01	OK	TX ECM
	02/02	10:29		47	03	OK	RX ECM
	02/02	12:49	6042741013	19	01	OK	RX ECM

BUSY : BUSY/NO RESPONSE
 NG : POOR LINE CONDITION / OUT OF MEMORY
 CV : COVERPAGE
 POL : POLLING
 RET : RETRIEVAL
 PC : PC-FAX

RX TTL 1618 PGS
 TX TTL 2830 PGS



Leading Through Innovation

ISO 9001:2000 Registered

MSDS

Shipping Address:

12129 Mapleville Road
Cavetown, MD 21720

Mailing Address:

P.O. Box B
Hagerstown, MD 21741-1191

Phone: 301-824-6166

Fax: 301-824-6938

Email: fil-tec@fil-tec.com

PRODUCT: PTFE Coated Fiberglass Yarn

SECTION 1. IDENTITY OF MATERIAL

Product Name:	Fiberglass Yarn & Thread with PTFE Coating
Chemical Description:	Fibrous Glass with PTFE Coating

SECTION 2. HAZARD INGREDIENTS

Hazardous Ingredients:	None. This Product Does Not Meet The Definition Of A Hazardous Material Given In 29CFR Part 1910.1200 (OSHA). Information Is Provided As A Service To Our Customer.
-------------------------------	---

SECTION 3. PHYSICAL DATA

Boiling Point (F) MP:	N/A
Vapor Pressure (mm Hg):	N/A
Vapor Density (Air = 1)	N/A
Solubility in Water:	Insoluble
Specific Gravity (H2O = 1):	2.60
Percent Volatile By Volume:	N/A
Evaporation Rate:	N/A
Appearance and Odor:	White or Tan Thread or Yarn – No odor

Revised 01/04/10

Page 1 of 4

Product: PTFE Coated Fiberglass Yarn

SECTION 4. FIRE AND EXPLOSION HAZARD DATA	
Flash Point: (Method Used)	N/A
Extinguishing Media:	Not Combustible
Unusual Fire and Explosion Hazards:	Thermal Decomposition of PTFE at Temperatures Greater Than 380° C (716°F) Will Emit Toxic & Corrosive Vapors
Flammable Limits:	N/A
Special Fire Fighting Procedures:	Wear Self Contained Breathing Apparatus Avoid Inhalation of Smoke

SECTION 5. REACTIVITY DATA	
Stable:	Yes
Incompatibility (Materials to Avoid)	None
Hazardous Decomposition Products:	None
Hazardous Polymerization:	Will Not Occur
Conditions To Avoid:	None

SECTION 6. HEALTH HAZARD DATA	
Threshold Limit Value:	N/A Total Dust Should Be Limited to 10 mg/M ³
Routes Of Entry:	<i>Inhalation?</i> Slight if Fibrous Glass is Released
	<i>Skin?</i> No
	<i>Ingestion?</i> Unlikely
Health Hazards (Acute & Chronic):	Acute Skin Irritation Possible From Glass Fibers
Carcinogenicity:	<i>NTP?</i> NO
	<i>IARC Monographs?</i> NO
	<i>OSHA Regulated?</i> NO
Signs and Symptoms Of Exposure:	See Health hazards Above
Emergency and First Aid Procedures:	Eyes - Flush With Water
	Skin - Wash With Soap and Water
	Respiratory - Remove To Fresh Air. In All Cases Seek Medical Attention If Condition Persists.

Product: PTFE Coated Fiberglass Yarn

SECTION 7. SPILL OR LEAK PROCEDURES

Steps to be Taken In Case Material Is Released Or Spilled:	None
Waste And Disposal Method:	Dispose In Compliance With Local, State And Federal Regulations.

SECTION 8. SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type):	If Significant Exposure to Dusts Exists, Use NIOSH/MSHA Approved Nuisance Dust Respirator.
Ventilation:	Local Exhaust During Handling Mechanical (General) No Specific Recommendation
Protective Gloves:	None
Other Protective Equipment:	No Specific Recommendation
Eye Protection:	Safety Glasses – Recommended During Processing

SECTION 9. SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing:	Store In A Dry Place
Other Precautions:	None

Product: PTFE Coated Fiberglass Yarn

SECTION 10. REGULATORY INFORMATION	
Workplace Classifications:	This product is considered non-hazardous under the OSHA hazard Communication Standard (29CFR 1910.1200).
Transportation Classifications:	US DOT Hazard Class . . . NONREGULATED
Emergency Planning & Community Right-To-Know (SARA Title 3)	Section 311/312 Categorizations (40CFR 370) This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.
Section 313 Information (40CFR 372)	Section 313 Information (40CFR 372) This product does not contain a chemical which is listed in Section 313.
CERCLA Information (40CFR 302.4)	Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.
RCRA Information	When this product becomes a waste, it is classified as a non-hazardous waste under criteria of the Resource Conservation and Recovery Act (40 CFR 261).

Notice: The information contained herein, is to the best of our knowledge and belief, accurate. Any recommendations or suggestions made are without warranty or guarantee of results since conditions of handling and of use are beyond our control. We therefore, assume no liability for loss or damage incurred by following these suggestions. Seller warrants only that this product will meet the specifications set forth. Any other representation or warranty, either express or implied, is specifically disclaimed including warranties of fitness for a particular purpose and of merchantability. Seller's and manufacturer's only obligation shall be to replace such quantity of the product provided to be defective before using. User shall determine the suitability of the product for user's intended application and user assumes all risk and liability whatsoever in connections therewith. Neither seller nor manufacturer shall be liable in tort, contract or under any theory for any loss or damage, incidental or consequential, arising out of the use of or the inability to use the product.